## INTERNATIONAL SEARCH REPORT

Interna Pal Application No PCT/JP2004/019681

A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER H01L21/00	_	
According to	International Patent Classification (IPC) or to both national classification	on and IPC	
B. FIELDS	SEARCHED  currentation searched (classification system followed by classification	symbols)	
IPC 7	H01L C25D C23C C23F	<i>Symbol</i> ,	
Documentat	ion searched other than minimum documentation to the extent that suc	ch documents are included in the fields sea	arched
Electronic da	ata base consulted during the international search (name of data base	and, where practical, search terms used)	
EPO-In	ternal, WPI Data, PAJ		
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT		
Calegory *	Citation of document, with indication, where appropriate, of the relevant	vant passages	Relevant to claim No.
Х	WO 02/058114 A (EBARA CORPORATION KUMEKAWA, MASAYUKI) 25 July 2002 (2002-07-25) page 17; figure 9 page 19 - page 20; figures 2,12	;	1-23
х	WO 03/105200 A (EBARA CORPORATION KATSUOKA, SEIJI; SEKIMOTO, MASAHII WATANABE, TERU) 18 December 2003 (2003-12-18) figure 5b the whole document	; KO;	1–23
A	US 2003/221612 A1 (DAI NAOKI ET A 4 December 2003 (2003-12-04)  paragraph '0077! paragraph '0078!	<b>L)</b>	1,7,9, 11,15, 18-20,22
Fur	ther documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.
"A" docum	nent defining the general state of the art which is not idered to be of particular relevance r document but published on or after the international date	<ul> <li>"T" later document published after the into or priority date and not in conflict with cited to understand the principle or th invention</li> <li>"X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the de"Y" document of particular relevance; the</li> </ul>	the application but seery underlying the claimed invention it be considered to ocument is taken alone claimed invention
*O* docur	on or other special reason (as specified) ment referring to an oral disclosure, use, exhibition or r means ment published prior to the international filling date but	cannot be considered to involve an in document is combined with one or m ments, such combination being obvid in the art.  *&* document member of the same patent	nventive step when the lore other such docu- ous to a person skilled
	than the priority date claimed e actual completion of the international search	Date of mailing of the international se	
	21 April 2005	03/05/2005	
Name and	d mailing address of the ISA  European Patent Office, P.B. 5818 Patentiaan 2  NL – 2280 HV Rijswijk  Tel (1917 200 200 200 Tx 31 651 epo pl	Authorized officer	
1	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Bader, K	

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Information on patent family members

Internal al Application No
PCT/JP2004/019681

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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